RANACHEM
رانا کیمیا فام (سهامی خاص)

EPOXY POLYAMINE ADDUCT INTERMEDIATE COAT

RANA 853 I

Product information

1- Poly amine adduct epoxy primer.

2-Corrosion resistance in moderately to severely environment.

3-Excellent resistance to chemical .

4-Can be applied over primed steel.

5-low permeability.

Physical data

Colour:	customer request
Finish:	Flat – semi flat
Flash point:	
Resin:	34 °c
Cure:	36 °c
Solvent:	28 °c
Volume solids:	61 ±2%
D.f.t:	40-60 microns
Specific gravity(mixed):	1.41 ± 0.05gr/cm^3
Theoretical coverage:	15.25m^2 /lit (at 40 µ d.f.t)
Drying time at 25 °c:	
Touch dry:	5 hrs
Dry to handle:	16 hrs
Full cure:	4 days
Component:	2
Pot life:	3-4 hrs at 25 °c:
Mixing ratio(by volume):	
Resin:	refer to can label
Cure:	refer to can label
Application methods:	conventional spray or Airless spray or roller

Recoat intervals* :		10 °c	25 °c	40 °c
(mild condition) :	Min:	15 hrs	6 hrs	3 hrs
	**Max:	NONE	NONE	NONE

**Maximum Recoat: Unlimited. Must have a clean, dry surface for top coating."Loose" chalk or salts must be removed in accordance with good painting practice. Drying time is temperature, humidity, and fi lm thickness dependent .

Recommended thinner:	RANA THINN 84
Recommended cleaner:	RANA CLEAN 84
Shelf life:	12 months when stored indoors in unopened Original containers at 5 to 40 °c (cool and dry Place).
Curing mechanism:	by solvent release and reaction by Curing agent and resin
Substrate:	primed steel

** : For recoating the surface should be free of dust ,grease and contamination.*

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Typical uses

1-As a maintenance and repair intermediate coat in severely corrosive environment.

2-As a high performance coating for marine and industrial facilities,ballast and potable water tanks,bilges, and draining pipes,above and bellow water hulls.

Application information

This RANA CHEM's product is a polyamine adduct epoxy intermediate Coat in industrial and marine use.

To obtain the maximum performance for which this product is formulated, strict adherence to all application, instructions, precautions, conditions and limitations is necessary.

Application equipment

The following equipment is listed as a guide and suitable equipment from other manufactures may be used.

adjustments of pressure and change of tip size may be needed to obtain the proper spray characteristics.

1-Airless spray:standard airless spray equipment having a 28:1 or higher pump ratio and a fluid tip with a 0.381 to 0.457 mm orifice.

2-Conventional spray:industrial equipment with suitable aircap having a fluid tip with a 1.6-1.8mm orifice .

3 -Mixer:mixer must be powered by an air motor or an explosion proof electric motor.

4- Roller.

Caution

1-Handle with care.

2-Avoid inhalation of possible solvent vapours or paint mist,as well as paint contact with skin and eyes.

3-Apply only in well ventilated areas and ensure that

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adequate forced ventilation exists when paint applies is in confined spaces or when the air is stagnant.
4-Always take precautions against the risks of fire and explosions.
6-Harmful or fatal if swallowed,immediately seek medical assistance.
7-Use fresh air masks and explosion proof equipment.

Application procedures

1-Flush equipment with cleaner before use.
2-Stir resin to an even consistency with a power mixer.
3-Add cure to resin and continue stirring for 5 minutes.
Note:since the pot life is limited and shortened by high temperatures ,do not mix more material than will be used in 3-4 hours at 25 $^{\circ}c$.
4- Thinning with FARCO THINN 12 for necessary
5-Stir during application to maintain uniformity of material and apply a wet coat in even parallel passes after 20 minutes.
6-Clean all equipment with cleaner immediately after use.

Environmental condition

Environmental temperature must be 10-40$^{\circ}c$.
Surface temperature must be at least 3$^{\circ}c$ above dew point to prevent condensation. At freezing temperature surface must be free of ice and relative humidity below 80 %.

Surface preparation

The surface must be clean and dry .All dirt grease and other foreign materials should be removed .old primed surface must be smoothly wire brushed.